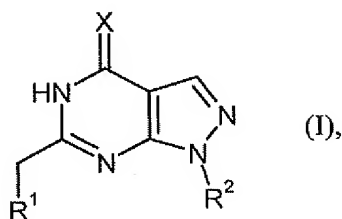


This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Previously presented) A compound of the formula



in which

R¹ is phenyl which is substituted by 1 to 5 substituents independently of one another selected from the group of halogen, C₁-C₆-alkyl, trifluoromethyl, trifluoromethoxy, cyano, hydroxy, nitro and C₁-C₆-alkoxy,

R² is pentan-3-yl or C₄-C₆-cycloalkyl,

X is oxygen or sulfur,

or a salt thereof.

2. (Previously presented) A compound as claimed in claim 1, where

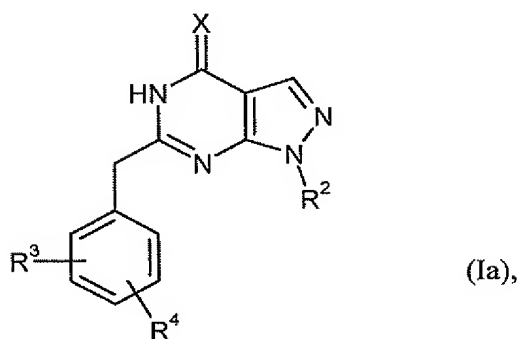
R¹ is phenyl which is substituted by 1 to 3 substituents independently of one another selected from the group of fluorine, chlorine, bromine, C₁-C₄-alkyl, trifluoromethyl, trifluoromethoxy, cyano, hydroxy, nitro and C₁-C₄-alkoxy,

R² is pentan-3-yl or C₅-C₆-cycloalkyl,

X is oxygen or sulfur,

or a salt thereof.

3. **(Previously presented)** A compound as claimed in claim 1 of the formula



in which

R³ is hydrogen or chlorine,

R⁴ is fluorine, chlorine, bromine, methyl, trifluoromethyl,

R² is pentan-3-yl or cyclopentyl,

X is oxygen or sulfur,

or a salt thereof.

4. **(Previously presented)** A compound as claimed in claim 1 of the formula (Ia),
where

R³ is hydrogen or chlorine,

R⁴ is fluorine, chlorine, bromine, methyl, trifluoromethyl,

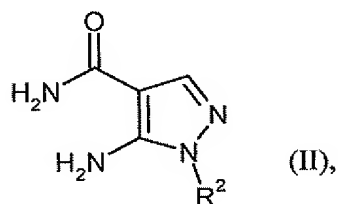
R^2 is pentan-3-yl or cyclopentyl,

X is oxygen,

or a salt thereof.

5. **(Previously presented)** A process for preparing a compound as claimed in claim 1, wherein

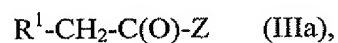
[A] a compound of the formula



in which

R^2 has the meanings indicated in claim 1,

is converted by reaction with a compound of the formula



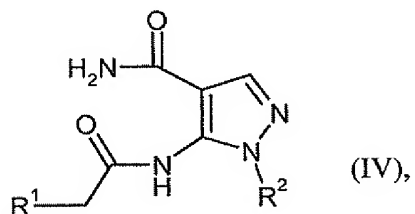
in which

R^1 has the meanings indicated in claim 1,

and

Z is chlorine or bromine,

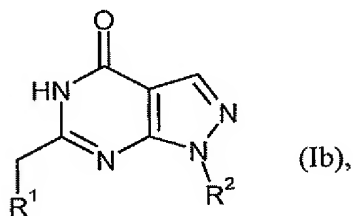
initially in the presence of a base into a compound of the formula



in which

R^1 and R^2 have the meanings indicated in claim 1,

then cyclized in the presence of a base to a compound of the formula

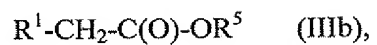


in which

R^1 and R^2 have the meanings indicated in claim 1,

or

[B] a compound of the formula (II) is reacted with direct cyclization to (Ib) with a compound of the formula



in which

R^1 has the meanings indicated in claim 1,

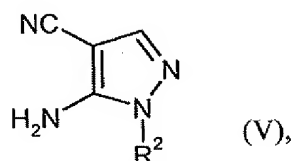
and

R^5 is methyl or ethyl,

in the presence of a base,

or

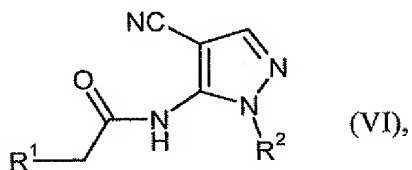
[C] a compound of the formula



in which

R^2 has the meanings indicated in claim 1,

is converted initially by reaction with a compound of the formula (IIIa) in the presence of a base into a compound of the formula

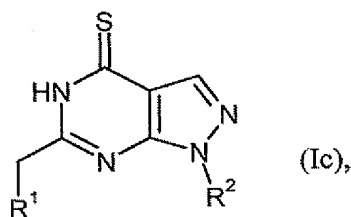


in which

R^1 and R^2 have the meanings indicated in claim 1,

and the latter are cyclized in a second step in the presence of a base and of an oxidizing agent to (Ib),

and a compound of the formula (Ib) is then converted where appropriate by reaction with a sulfurizing agent into the thiono derivatives of the formula



in which

R¹ and R² have the meanings indicated in claim 1,

and the resulting compound of the formula (I) is optionally reacted with the appropriate bases or acids to give a salt thereof.

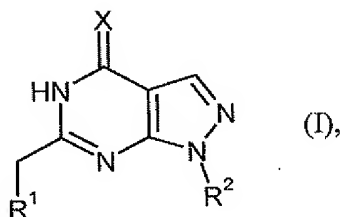
6. (Cancelled).

7. (Original) A medicament comprising at least one of the compounds as claimed in any of claims 1 to 4 and at least one pharmaceutically acceptable, essentially non-toxic carrier or excipient.

8. (Cancelled).

9. (Previously presented) A method for treating an impairment of learning and/or memory which is a consequence of Alzheimer's disease comprising administering to a human or animal an effective amount of a compound of claim 1.

10. (Cancelled).
11. (Cancelled).
12. (Cancelled).
13. (Previously presented) The process of claim 5, wherein the sulfurizing agent is diphosphorus pentasulfide.
14. (Cancelled)
15. (Currently Amended) A method for producing a medicament useful for improving perception, concentration, learning and/or memory comprising ~~providing~~ formulating a compound of formula (I) together with at least one pharmaceutically acceptable excipient:



in which

R¹ is phenyl which is substituted by 1 to 5 substituents independently of one another selected from the group of halogen, C₁-C₆-alkyl, trifluoromethyl, trifluoromethoxy, cyano, hydroxy, nitro and C₁-C₆-alkoxy,

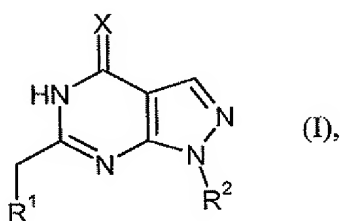
R² is pentan-3-yl or C₄-C₆-cycloalkyl,

X is oxygen or sulfur,

or a salt thereof,

in a form useful for improving perception, concentration, learning and/or memory in a human or animal.

16. **(Currently Amended)** A pharmaceutical composition comprising a compound of the formula (I):



in which

R¹ is phenyl which is substituted by 1 to 5 substituents independently of one another selected from the group of halogen, C₁-C₆-alkyl, trifluoromethyl, trifluoromethoxy, cyano, hydroxy, nitro and C₁-C₆-alkoxy,

R² is pentan-3-yl or C₄-C₆-cycloalkyl,

X is oxygen or sulfur,

or a salt thereof, as the active moiety,

together with at least one pharmaceutically acceptable excipient.